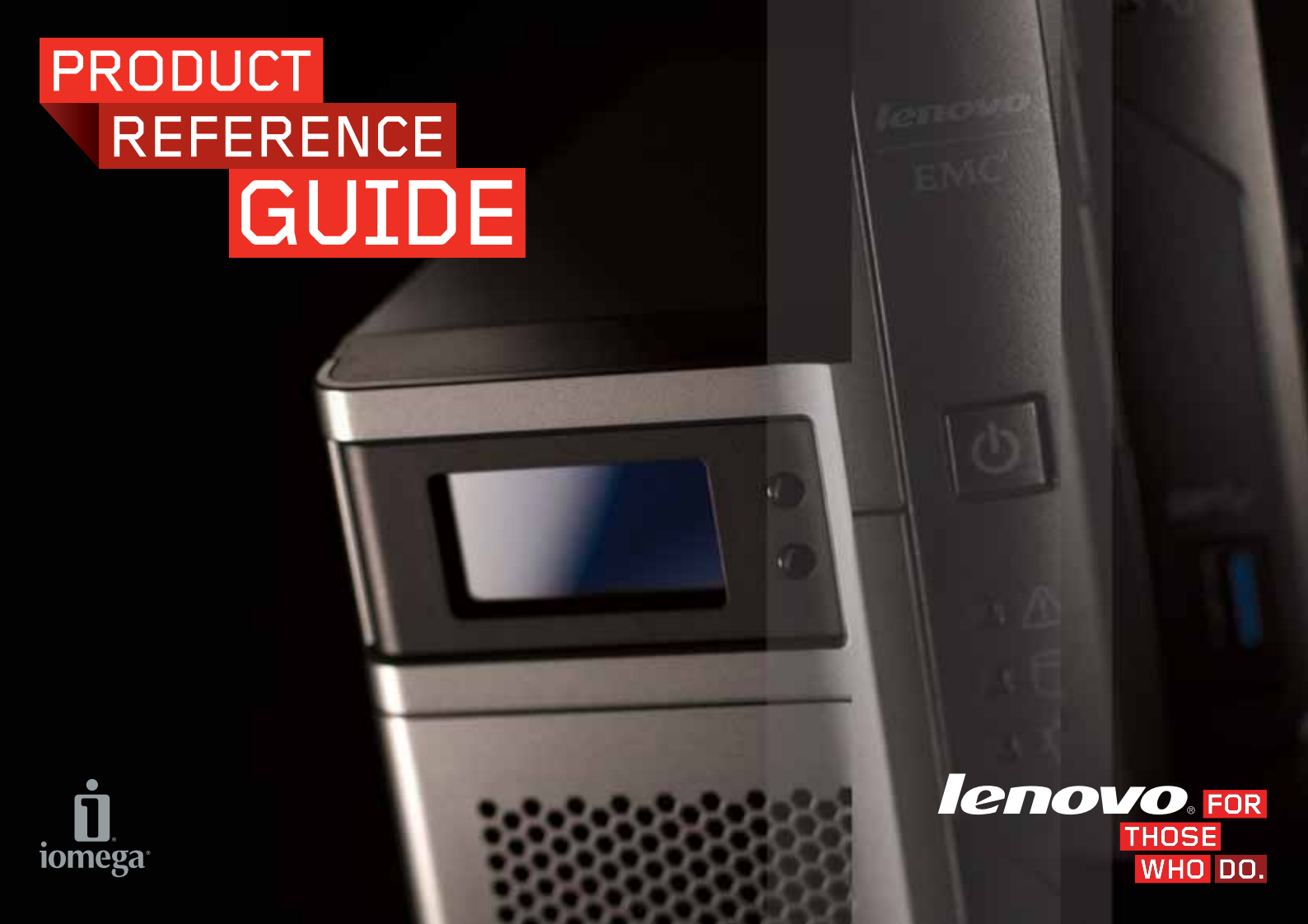
PRODUCT REFERENCE GUIDE



iomega

lenovo FOR THOSE WHO DO.

LENOVO EMC LTD. IS A JOINT VENTURE ESTABLISHED IN DECEMBER 2012 BETWEEN LENOVO® AND EMC® THAT INCLUDES THE IOMEGA® NETWORK STORAGE PRODUCT BUSINESS.

Lenovo and EMC created the joint venture based on Lenovo's record as one of the fastest-growing information technology companies and Iomega's heritage as a leader in network storage solutions. LenovoEMC delivers quality and ease-of-use that make its network storage products the best choice for customers of all types. LenovoEMC develops and updates the LenovoEMC™ LifeLine™ storage operating system for its family of Iomega-branded products.

lenovo | EMC²

iomega

THE LENOVO® NETWORK STORAGE PRODUCT LINE PROVIDES SIMPLE SOLUTIONS TO PROTECT, MANAGE AND SHARE CRITICAL INFORMATION, AND IS SPECIFICALLY DESIGNED FOR SMALL TO MEDIUM-SIZED BUSINESSES, REMOTE OFFICES OR WORKGROUP ENVIRONMENTS. LENOVO NETWORK STORAGE DEVICES OFFER ADVANCED STORAGE, SECURITY AND CONTENT SHARING AND ARE EASY TO USE AND AFFORDABLE.

Robust – data management and protection – powered by enterprise-class LenovoEMC™ LifeLine™ software

Simple – set-up in just three easy steps

Accessible – remote access from anywhere in the world

Reliable – advanced RAID and UPS support; plus server class drives on px Series

Powerful – offers user replaceable hard disk drives, print sharing, USB-attached HDD expansion; and Intel processors on select devices

Flexible – cross platform functionality (PC, Mac, and Linux) and certified for virtualized environments

Advanced – Mutiple backup option (including Snapshot), Active Directory Support, SSD caching, Anti-Virus and IP video surveillance

PX SERIES

Versatile Network
Storage Solutions
for SMBs and
Distributed Enterprises

LENOVO® EMC®

NETWORK STORAGE

- Desktop and rackmount form factors
- PC, Mac and Linux environments
- Capacities ranging from 0TB to 48TB
- Certified with Windows®, VMware® and Citrix®
- Built-in Cloud technology
- Enabled for IP video surveillance
- Multiple backup options (incl. Snapshot)
- Active Directory High-Availability (ADHA) & Hybrid Authentication
- Built-in McAfee® VirusScan® Enterprise

THE ENTERPRISE-CLASS LENOVO FAMILY
OF NETWORK STORAGE DEVICES AT ITS CORE OFFERS CONTENT SHARING AND ADVANCED DATA PROTECTION, INCLUDING A LINE OF SERVER CLASS DEVICES OFFERING BETTER, FASTER AND EVEN MORE RELIABLE SOLUTIONS.

PX2-300D

LENOVO® EMC® PX FAMILY NOW WITH ENHANCED DATA PROTECTION & RECOVERY SOLUTIONS

Lenovo and McAfee Offer Enterprise Security on px Series Devices

Lenovo is the first SMB network storage vendor to run McAfee® VirusScan® Enterprise natively on network devices. The combination of McAfee VirusScan Enterprise running natively on the px Series network storage products* represents an industry first: an enterprise-class endpoint protection product running natively on desktop and rackmount network storage products designed specifically for small and medium businesses, remote office/branch office installations, and distributed enterprises.

NEW - PC Backup with Acronis® True Image Lite 2013

Acronis Backup & Recovery Server OEM delivers speed, reliability, simplicity and cost savings. With Acronis, you not only ensure important data and applications are well protected and can easily be recovered in the event of any disaster, but you also lower the cost of support services. Acronis True Image Lite 2013 is available on all the products of the px family (three licenses included).

LENOVO® EMC® PX2-300D

NETWORK STORAGE

FEATURES:

- Up to 50 users
- Intel® Atom™ Dual Core CPU, 2 GbE NICs, 2GB RAM
- Diskless & fully populated, Hot swap HDDs
- Active Snapshot backup (VSS & VDS provider)
- Active Directory High-Availability (ADHA) & Hybrid Authentication
- Video Surveillance (Mindtree®, Milestone Arcus™- VGA port out)
- Built-in McAfee VirusScan Enterprise
- PC backup with ATI Lite 2013 by Acronis
- RAID 0, 1, or JBOD
- Certified with VMware® vSphere, Citrix® XenServer™ & Windows® Server

PRODUCT CONFIGURATIONS

Pro: diskless / 2TB (2HD x 1TB) / 4TB (2HD x 2TB) / 6TB (2HD x 3TB)
Server Class: 2TB (2HD x 1TB) / 4TB (2HD x 2TB) / 6TB (2HD x 3TB)

PX4-300D

LENOVO® EMC® PX4-300D

NETWORK STORAGE

FEATURES:

- Up to 75 users
- Intel Atom Dual Core CPU, 2 GbE NICs, , 2GB RAM
- Diskless & fully populated, Hot swap HDDs
- Active Snapshot backup (VSS & VDS provider)
- Active Directory High-Availability (ADHA) & Hybrid Authentication
- SSD caching for faster read & write
- Video Surveillance (Mindtree, Milestone Arcus)
- Built-in McAfee VirusScan Enterprise
- PC backup with ATI Lite 2013 by Acronis
- RAID 0, 1, 5, 10, hot spare & JBOD
- Certified with VMware vSphere, Citrix XenServer & Windows Server

PRODUCT CONFIGURATIONS

Pro: diskless / 4TB (4HD x 1TB) / 8TB (4HD x 2TB) / 12TB (4HD x 3TB)
Server Class: 4TB (4HD x 1TB) / 8TB (4HD x 2TB) / 12TB (4HD x 3TB)

PX6-300D

LENOVO® EMC® PX6-300D

NETWORK STORAGE

FEATURES:

- Up to 75 users
- Intel Atom Dual Core CPU, 2 GbE NICs, , 2GB RAM
- Diskless & fully populated, Hot swap HDDs
- Active Snapshot backup (VSS & .VDS provider)
- Active Directory High-Availability (ADHA) & Hybrid Authentication
- SSD caching for faster read & write
- Video Surveillance (Mindtree, Milestone)
- Built-in McAfee VirusScan Enterprise
- PC backup with ATI Lite 2013 by Acronis
- RAID 0, 1, 5, 6, 10, hot spare & JBOD
- Certified with VMware vSphere, Citrix XenServer & Windows Server

PRODUCT CONFIGURATIONS

Pro: diskless / 6TB (6HD x 1TB) / 12TB (6HD x 2TB) / 18TB (6HD x 3TB)
Server Class: 6TB (6HD x 1TB) / 12TB (6HD x 2TB) / 18TB (6HD x 3TB)

PX4-300R

LENOVO® EMC® PX4-300R

NETWORK STORAGE ARRAY

FEATURES:

- Up to 150 users
- Intel® Celeron® Dual Core CPU, 2 GbE NICs, 2GB RAM
- Diskless & fully populated, Hot swap HDDs
- Performance, Flexibility, IT Integration, Virtualization
- Active Snapshot backup (VSS & VDS provider)
- Active Directory High-Availability (ADHA) & Hybrid Authentication
- Video Surveillance (Mindtree®)
- Built-in McAfee® VirusScan® Enterprise
- PC backup with ATI Lite 2013 by Acronis
- RAID 0, 1, 5, 10, hot spare & JBOD
- Certified with VMware® vSphere, Citrix® XenServer™ & Windows® Server

PRODUCT CONFIGURATIONS

Pro: diskless / 4TB (4HD x 1TB) / 8TB (4HD x 2TB) / 12TB (4HD x 3TB)
Server Class: 4TB (4HD x 1TB) / 8TB (4HD x 2TB) / 12TB (4HD x 3TB) / 16TB (4HD x 4TB)

PX12-400R

LENOVO® EMC® PX12-400R

NETWORK STORAGE ARRAY

FEATURES:

- Up to 250 users
- Intel Core™ i3 dual core CPU, 10 GbE NICs option, 4GB RAM
- Performance, Flexibility, IT Integration
- Integrated Virtualization Technology
- Active Snapshot backup (VSS & VDS provider)
- Active Directory High-Availability (ADHA) & Hybrid Authentication
- SSD caching for faster read & write
- iSCSI LUN security for improved authentication & connection
- Video Surveillance (Mindtree)
- Built-in McAfee VirusScan Enterprise
- PC backup with ATI Lite 2013 by Acronis
- RAID 0, 1, 10, 5, 6, hot spare & JBOD
- Certified with VMware vSphere, Citrix XenServer & Windows Server

PRODUCT CONFIGURATIONS

Server Class: diskless / 4TB (4HD x 1TB) / 8TB (4HD x 2TB) / 12TB (4HD x 3TB) / 16TB (4HD x 4TB) / 24TB (12HD x 2TB) / 36TB (12HD x 3TB) / 48TB (12HD x 4TB)

PX12-450R

LENOVO® EMC® PX12-450R

NETWORK STORAGE ARRAY

FEATURES:

- Up to 375 users
- Intel Xeon® Quad Core CPU, 10 GbE NICs option, 8GB RAM
- High performance, Flexibility, IT Integration
- Integrated Virtualization Technology
- Active Snapshot backup (VSS & VDS provider)
- Active Directory High-Availability (ADHA) & Hybrid Authentication
- SSD caching for faster read & write
- iSCSI LUN security for improved authentication & connection
- Video Surveillance (Mindtree)
- Built-in McAfee VirusScan Enterprise
- PC backup with ATI Lite 2013 by Acronis
- RAID 0, 1, 10, 5, 6 with hot spare and automatic rebuild support. JBOD
- Certified with VMware vSphere, Citrix XenServer & Windows Server

PRODUCT CONFIGURATIONS

Server Class: diskless / 8TB (4HD x 2TB) / 12TB (4HD x 3TB) / 16TB (4HD x 4TB) / 24TB (12HD x 2TB) / 36TB (12HD x 3TB) / 48TB (12HD x 4TB)

Designed with the Latest Intel Processing Architecture at its Core

The Lenovo® EMC® px12-450r Network Storage Array utilizes the new Intel Quad-Core Xeon Processor for increased performance with reduced power consumption. The multicore processor excels at multi-threaded storage workloads like multi-LUN iSCSI and multi-client virtual desktop infrastructure (VDI). The 8GB memory assists those workloads and easily supports memory-intensive tasks like the Avamar source-based deduplicating agent, included with all Lenovo EMC px series storage products.

IX SERIES & EZ

Compact Desktop
Network Storage Devices
For Small Businesses and
Advanced Home Networks.

LENOVO® IOMEGA®

NETWORK STORAGE

- PC, Mac® and Linux® environments
- Capacities ranging from 0TB to 12TB
- Easy access and central file sharing through built-in cloud technology
- Mobile access to documents and pictures through iOS and Android™ app
- Convenient streaming of pictures and videos between games consoles, tablet PCs, TV and NAS through Twonky Media Server
- Supports cost effective video surveillance solutions with free camera license

THE LENOVO IOMEGA IX FAMILY OF NETWORK STORAGE DEVICES OFFERS CONTENT SHARING, CLOUD CONVENIENCE, ADVANCED MEDIA FEATURES AND DATA PROTECTION. IT IS IDEAL FOR SMALL AND REMOTE OFFICES, WORKGROUPS OR HOME NETWORKS.

IX2

LENOVO® IOMEGA® IX2

NETWORK STORAGE 2-BAY

FEATURES:

- Up to 25 users
- Cost-effective 2-bay network & cloud storage server
- Marvell® 1.6GHz Processor, 256MB RAM
- Easy Swap SATA Hard Drives with RAID 0, 1 and JBOD
- 1 Gigabit Ethernet port; 1 USB 2.0 port
- Integrated Mindtree® SecureMind Surveillance Manager, support up to 4 cameras
- Remote access from anywhere via LenovoEMC™ Personal Cloud and LenovoEMC Link mobile app for iOS and Android devices
- Easily customise user interface by enabling or disabling applications
- Twonky Media Server - DLNA® & UPnP® Compliant Media Server
- Certified with VMware® vSphere, Citrix® XenServer™ & Windows® Server

PRODUCT CONFIGURATIONS

Diskless / 2TB (1HD x 2TB) / 2TB (2HD x 1TB) / 4TB (2HD x 2TB) / 6TB (2HD x 3TB)

IX4-300D

LENOVO® IOMEGA® IX4-300D

NETWORK STORAGE

FEATURES:

- Up to 50 users
- Cost-effective mid-range 4-bay network & cloud storage server
- Marvell Armada™ 1.3GHz Dual Core Processor, 512MB RAM
- Easy Swap SATA Hard Drives with RAID 0, 1, 5, 10, or JBOD
- 2 Gigabit Ethernet port; 1 USB 3.0, 2 USB 2.0 ports
- Integrated Mindtree SecureMind Surveillance Manager, support up to 8 cameras
- Remote access from anywhere via LenovoEMC Personal Cloud and LenovoEMC Link mobile app for iOS and Android devices
- Easily customise user interface by enabling or disabling applications
- Twonky Media Server - DLNA & UPnP Compliant Media Server
- Certified with VMware vSphere, Citrix XenServer & Windows Server

PRODUCT CONFIGURATIONS

Diskless / 4TB (2HD x 2TB) / 4TB (4HD x 1TB) / 8TB (4HD x 2TB) / 12TB (4HD x 3TB)

EZ

LENOVO® IOMEGA® EZ

MEDIA & BACKUP CENTER

FEATURES:

- Up to 5 users
- Cost-effective Single-bay network & cloud storage server
- Marvell 1.2GHz Processor, 128MB RAM
- 1 Gigabit Ethernet port; 1 USB 2.0 port
- Web based installation - no CD required
- Remote access from anywhere via LenovoEMC Personal Cloud and LenovoEMC Link mobile app for iOS and Android devices
- Automatically post files to your Facebook®, YouTube® & Flickr® accounts
- Easily customise user interface by enabling or disabling applications
- Twonky Media Server - DLNA & UPnP Compliant Media Server
- PC, Mac®, and Linux® compatible

PRODUCT CONFIGURATIONS

1TB (1HD x 1TB) / 2TB (1HD x 2TB) / 3TB (1HD x 3TB)

01

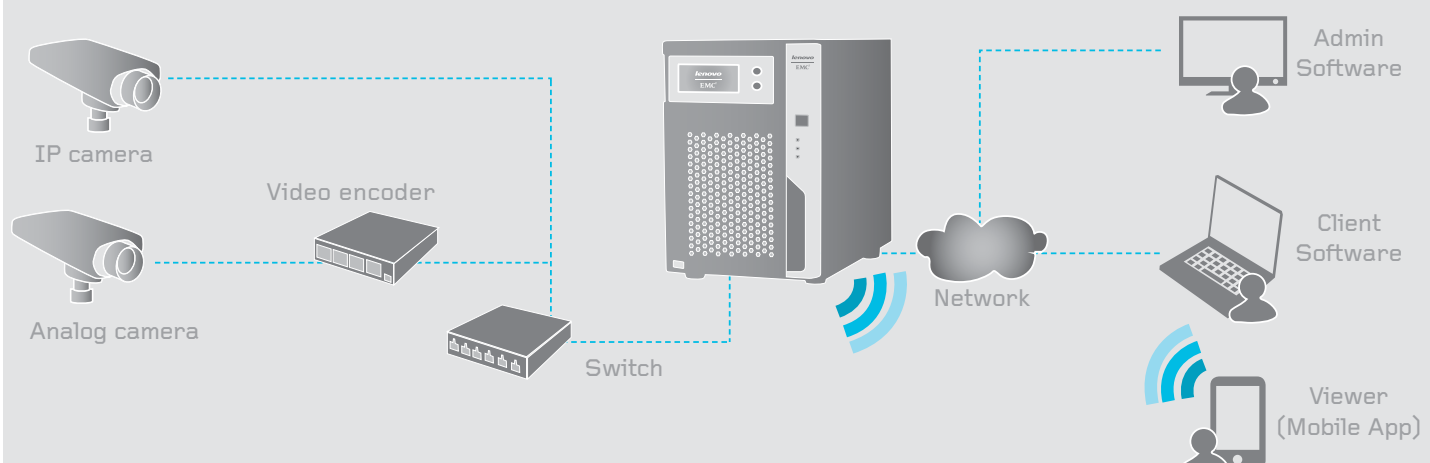
VIDEO SURVEILLANCE STORAGE + MANAGEMENT SOLUTIONS

TRUE INNOVATION.
FROM IDEATION TO INSTALLATION AND INTEGRATION.

The Lenovo® ix and px product lines deliver the innovation and ease-of-use needed to optimize video surveillance installations up to 48 cameras per device at a fraction of the cost of traditional DVR/NVR installations. This feature-rich platform gives what's missing from today's video management systems – the ability to offer storage with advanced data protection.

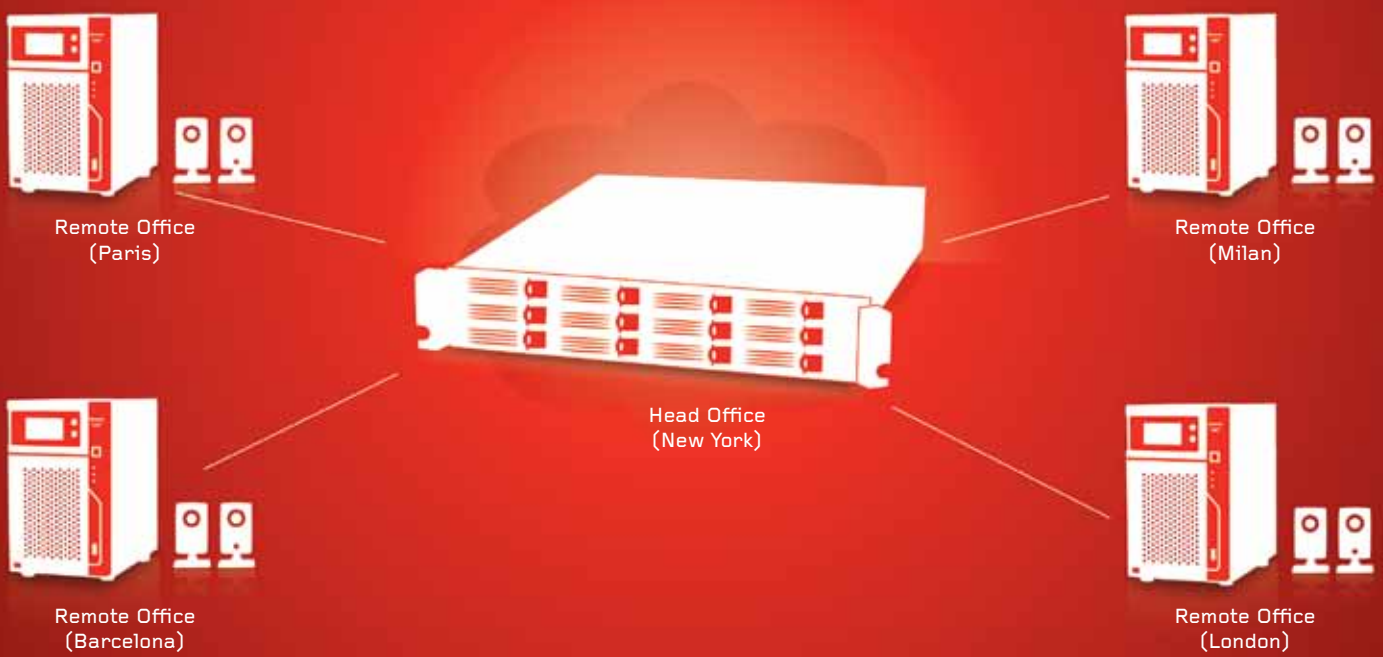
HOW

Lenovo's versatile Network Storage family meets the needs of SMBs and distributed enterprises offering flexible Video Surveillance Storage + Management solutions



NETWORK VIDEO RECORDING –

Now it's easy to archive, protect and share physical security video and audio files from anywhere.



THE LENOVO® EMC® NETWORK VIDEO RECORDER DEVICES
AN AFFORDABLE AND RELIABLE VIDEO SURVEILLANCE STORAGE AND MANAGEMENT SOLUTION.

As a combined solution, the Lenovo EMC Network Video Recorder (NVR) devices and the embedded video surveillance software is the best option for small-to medium-sized businesses and distributed enterprises that want to manage their own video surveillance system on-site, at the lowest possible cost. The NVR devices are enhanced with standard NAS features that improve the video surveillance functionality. With easy setup and simplicity, and the included camera licenses, NVRs with Milestone Arcus™ or Mindtree® SecureMind video surveillance platforms make for a complete Integrated Video Management System (IVMS) solution.

milestone

Mindtree

02

SERVER VIRTUALIZATION

WORKING HARD.
FROM THE INSIDE OUT.

Lenovo® Network Storage devices are certified for Citrix® XenServer™, Windows® Server 2008 R2, Windows Server 2012 and VMware® vSphere environments which make them the most cost-effective solution for server virtualization.

Virtualized Servers

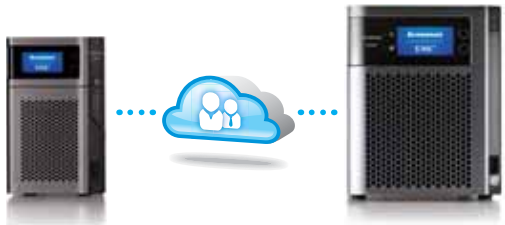
Setup any Lenovo® EMC® px desktop or rackmount device as shared storage (via iSCSI and/or NFS) for the virtualized servers at your small business or distributed enterprise.

Configure your NAS with SATA III Server Class Hard Disk Drives for plenty of data store capacity or with Solid State Drives for dependable performance of your VMs.

03

CLOUD STORAGE SOLUTIONS

EXTEND YOUR REACH.
NOW REACH EVEN FURTHER.



Lenovo® offers small businesses and remote offices a range of cloud back up and remote access solutions. Choose your own cloud or from a suite of storage clouds that let you back up folders directly from your Lenovo devices to the cloud. Lenovo storage makes it easy to use cloud services – Lenovo devices act as an 'on-ramp' to the cloud, making cloud storage accessible using familiar end user tools already in place. And you can set up the Lenovo Copy Job utility (included in all Lenovo devices at no additional cost), to move data from your local environment to the cloud. No special tools or software required – set up your cloud or cloud account, tell Copy Job what to do, and you're in the cloud.

LenovoEMC™ Personal Cloud

This web-based solution protects valuable business information at a fraction of the effort and cost of prevailing solutions. Unlike public and private cloud applications, Personal Cloud is completely self-owned, so there are no usage or subscription charges. Just as important — content and accessibility are under your control.

Public Cloud

Backup to public cloud service providers via the internet. MozyPro® provides all the tools to take total control of your external data backups. Amazon S3 Backup stores and retrieves any amount of data, at anytime from anywhere on the web. Subscription based.

mozy mozypro

amazon web services™

Private Cloud

Powerful option pairs Lenovo network storage devices with the world-class EMC® Atmos™ Cloud Connector for streamlined access to any Atmos-powered storage cloud. Easy to copy data from a Lenovo device directly to Atmos cloud storage. Once that data is in the cloud, it instantly becomes a backup copy. Subscription based.

EMC² ATMOS

04

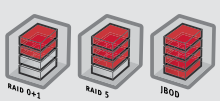
DATA PROTECTION AND RECOVERY

DATA LOSS OR DISASTER RECOVERY?
NO PROBLEM.

Keeping your data safe and readily available in the event of an unforeseen 'disaster' – theft, power outage, or natural disaster – is not easy. Downtime can be costly and Lenovo® has the answer. With the Lenovo Network Storage devices, you get data protection and recovery at every level so you can have complete business solution continuity in any event.

Enterprise Class Data Protection with LifeLine

LenovoEMC™ LifeLine™, the management software that powers all Lenovo Network Storage devices, allows users to store, manage and protect all of their valuable data on one centralized, secure, affordable storage appliance. You get enterprise-class data protection, file management and media serving capabilities right out of the box.



Advanced RAID Protection with Lenovo Network Storage devices

Delivering RAID 1, 10, 5 and 6 (RAID 6 offered on px6 and px12 only), with hot spare, automatic RAID rebuild and hot swap. RAID 0 and JBOD mode also available. RAID 6 dual parity protects against a dual drive failure, better than an online spare.

Offsite Backup with LenovoEMC Personal Cloud Technology

Keep your data protected and safe by installing one Lenovo device at the main office, and another at a second location such as a branch office or warehouse location. Both devices will be in your LenovoEMC Personal Cloud, and a Copy Job will copy your entire storage or just selected files and folders from one device to another.

Deduplication with EMC's Avamar for Recovery

Equipped with integrated data deduplication technology, EMC® Avamar® facilitates fast, daily full backups significantly reducing backup windows by only storing unique daily changes, while always maintaining daily full backups for immediate single-step restore.

05

LIFELINE – THE FOUNDATION FOR LENOVO NETWORK STORAGE SOLUTIONS

OUR SECRET INGREDIENT IS NOT SO SECRET. IN FACT WE LIKE TO TOUT IT.

LenovoEMC™ LifeLine™ is the management software that powers all Lenovo® Network Storage devices, delivering robust functionality that stores, shares, manages and protects data. Drawing on LenovoEMC's expertise as the world's leading provider of information management solutions, LifeLine offers enterprise-class data protection, file management and media serving capabilities right out of the box.

Enterprise-class data protection for SMBs, branch or remote offices

- LenovoEMC LifeLine software allows users to store and manage valuable data on one centralized, secure, affordable storage appliance
- RAID 0, 1, 5, 6, 10, JBOD, hot spare
- Device-to-device data replication for greater protection
- Data Deduplication with EMC® Avamar®
- Encrypted volume support
- E-mail notification, event logging and SNMP
- Ideal as a backup target to Symantec™ Backup Exec™
- EMC Atmos™ cloud backup technology support

Easy to set up, use and manage

- Set up in three steps
- Intuitive user interface
- Direct-attached (no switch or router required) or network attached via Ethernet
- Network File Protocols supported: Microsoft CIFS/SMB/Rally, FTP, SFTP, Linux/UNIX (NFS), HTTP, AFP/Bonjour, SNMP
- iSCSI block access
- 16 languages

Advanced business-class features

- Media server support
- Active Directory High-Availability (ADHA) & Hybrid Authentication
- Windows Distributed File System (DFS) support
- Virtual Environment support: certified with VMware® and with Citrix® XenServer™ for NFS and iSCSI
- Certified with Windows® Server 2003, Windows Server 2008, Windows Server 2008 R2
- Three Video Surveillance storage and management solutions

LenovoEMC LifeLine Software Development Kit (SDK) provides a rich set of tools, allowing individuals and 3rd-party application providers to develop applications that can run natively on LifeLine platforms and tie into the graphical user management interface.

http://developer.lifelineapps.com

06

PROTECT YOUR INVESTMENT WITH FLEXIBLE SERVICE PLANS

Base Service

Base Service is free with any Lenovo® Network Storage device and is geared toward customers seeking a simple support solution. It includes the standard 3 year warranty along with business hours, phone and email support, plus access to free firmware updates and Lenovo's knowledge base. Also included is advanced hardware replacement, so there is no need to wait for hardware support, and the option to purchase self-service spares kits. If you require additional services, there are additional service plans available to suit your specific business needs.

- Free phone and email technical support during local business hours
- Web support with knowledge base & free software updates
- Customer-defined monitoring and support alerts with online case logging and tracking
- Free Advance Exchange for parts replacement

Service Plans

If the availability of your network storage equipment is critical to your business, upgrade your Base Service. For desktop network storage devices, select the Desktop Extended plan that will add 24x7 technical support and extend the warranty to 5 years. For rackmount network storage devices, select from Enhanced or Premium plans to best meet your business needs. When your IT resources are limited and availability is critical, both plans ensure 24x7 access to Lenovo's technical experts and next-day onsite hardware service. The Premium plan adds 4-hour onsite service and includes a strategic spares kit to ensure your business keeps running. Decide the duration you need for your service plan and choose from 3 year or 5 year terms.

- Includes base service features, plus free unlimited phone and email technical support (local business hours in all languages, 24x7 in English)
- On-site spares kit – includes hard drive, fan, and power supply, also available as a stand-alone kit
- Next business-day or 4-hour onsite service*

*Available in most geographies, some restrictions apply. Please check: serviceplans.lenovoemc.com

SUPPORT FEATURES	BASE	EXTENDED	ENHANCED	PREMIUM
Free Unlimited Phone Technical Support	Mon-Fri (Local business hours)	24x7 (After hours in English)	24x7 (After hours in English)	24x7 (After hours in English)
Onsite Parts Replacement	Not included	Not included	NBD (Next Business Day)	4 Hr Parts Replacement (Parts in Strategic Parts Kit, NBD for other parts)
Strategic Parts Kit	Available for purchase for rackmount models	Available for purchase for rackmount models	Available for purchase for rackmount models	Included
RMA Parts Delivery	Advance Exchange	Advance Exchange	Expedited Advance Exchange	Expedited Advance Exchange
Support Priority	Normal	Priority	Priority	Highest Priority
Web Support with an up-to-date knowledge base & free software updates	Yes	Yes	Yes	Yes
Automated Support Alerts	Yes	Yes	Yes	Yes
Online Case Tracking	Yes	Yes	Yes	Yes
Warranty	3 Years (with registration)	5 Years	3 or 5 Years	3 or 5 Years

WHAT STORAGE

DOES NEXT.

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www.lenovoemc.com